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In the claims:

Please amend claims 28 -31, and add claims 32-34 as set forth below. A complete listing of the claims and their status follows..

## Claims 1-27 (cancelled)

28. (currently amended) A mixing dome for use in a thermostatic control valve assembly having a hot fluid inlet, a cold fluid inlet, a thermostatically controlled flow control valve combining the hot and cold fluid and a thermostat operably coupled to control the flow control valve in response to the temperature of the fluid mixture, the baffle for a mixing dome housing, said baffle comprising:

a housing having an inner wall defining a mixing chamber in fluid communication with the hot and cold fluid inlets and the thermostat; and

at least one baffle affixed to said inner wall of said housing, said baffle including:

a leading ~~downstream~~ upstream edge tapered into toward said the housing;  
an ~~upstream~~ trailing downstream edge wider than said ~~downstream~~  
upstream edge; and

an arcuate portion connecting said upstream and downstream edges.

29. (currently amended) The ~~baffle~~ mixing dome of claim 28 wherein said baffle runs about 210 degrees from said tapered downstream end to said upstream edge.

30. (currently amended) The ~~baffle~~ mixing dome of claim 28 wherein said baffle has a surface area that is about one-half the cross sectional area of the housing.

31. (currently amended) The ~~baffle~~ mixing dome of claim 28 wherein said baffle has a paisley shape.

32. (new) The mixing dome of claim 28, wherein said at least one baffle includes two baffles sequentially arranged and angularly displaced along a length of said housing.

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33. (new) The mixing dome of claim 32, wherein said two baffles are angularly displaced by an angle of about 120 degrees.

34. (new) The mixing dome of claim 32, wherein said at least one baffle includes at least a third baffle sequentially arranged and angularly displaced from each of said two baffles along the length of said housing.